

HILLCREST

REDEVELOPMENT

TAC PRESENTATION

January 27th, 2021



Kimley»Horn

Flow Projections for Development

	Alternative: Hilltop	Alternative: Jobs
Residential (Units)	1,151	903
Industrial (Sq Ft)	686,805	834,588
Industrial (Employees)	788	958
Irrigation (ac)	38	42

	Alternative: Hilltop	Alternative: Jobs
Residential (gpd)	315,300	247,551
Industrial (gpd)	39,417	47,899
Irrigation (gpd)	147,806	164,314
Average Demand (GPD)	502,600	459,800
Average Demand (GPM)	350	320
Max Day Demand (GPD)	1,005,200	919,600
Peak Hour Demand (GPM)	1,400	1,280

	Alternative: Hilltop	Alternative: Jobs
Residential	315,300	247,551
Industrial	39,417	47,899
Irrigation		
Average Demand (GPD)	354,800	295,500
Average Demand (GPM)	250	210
Avg Day Diurnal Peak Demand (GPM)	370	310
Peak Hour Demand (GPM)	1,370	1,150

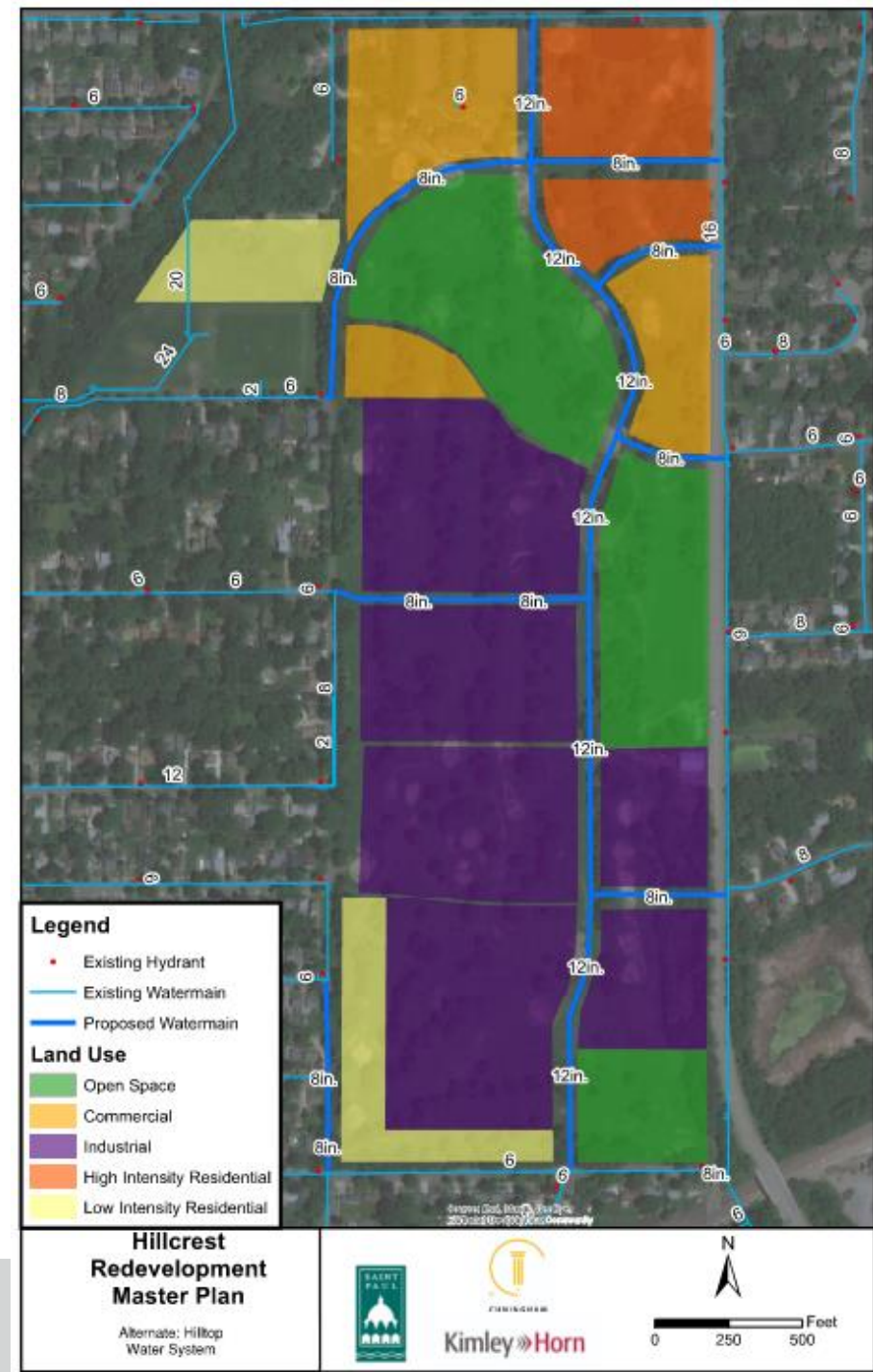
Water Demand	
274	GPD
2500	GPD/acre
50	GPD
3879	GPD

Water Peak Factors	
Max Daily Demand	2
Peak Hourly Demand	4

Wastewater Peak Factors	
Diurnal Peak	1.5
MCES Peak Factor	3.7

Alternative: Hilltop Water

- SPRWS to review proposed water, and model pressure zone interconnections.



Alternative: Hilltop Sanitary

- Western Connection On Hoyt Ave E.
- Manhole Depths Range from 8-ft to 20.5', averaging 11.4' based on preliminary grading plans.
- West Connection = 919 gpm
- South Connection = 449 gpm



Alternative: Jobs Water

- SPRWS to review proposed water, and model pressure zone interconnections.



Alternative: Jobs Sanitary

- Western Connection On Hoyt Ave E.
- Manhole Depths Range from 9.5-ft to 21.4', averaging 13.9' based on preliminary grading plans.
- West Connection = 640 gpm
- South Connection = 500 gpm



Water Pressure Zones

- SPRWS to review proposed water, and model pressure zone interconnections.

